Measurement Practice

Conversions

1) *Review of unit conversions:* Imagine you were going to convert the following units. Fill in the correct numbers in each proportion that you would use to solve, then state the final answer after solving.

a) Convert 156.9 mm to m. *(1000 mm = 1 m)*

$$\frac{1000\ mm}{mm} = \frac{1\ meters}{meters}$$

After solving this on paper, I have determined that 156.9 mm is equal to:

_____ meters
(input 4 decimal places)

b) Convert 39.8 ft to yards. *(3 feet = 1 yard)*

$$\frac{3\ feet}{feet} = \frac{1\ yard}{yard}$$

After solving this on paper, I have determined that 39.8 ft is equal to:

_____ yards
(input 1 decimal place)

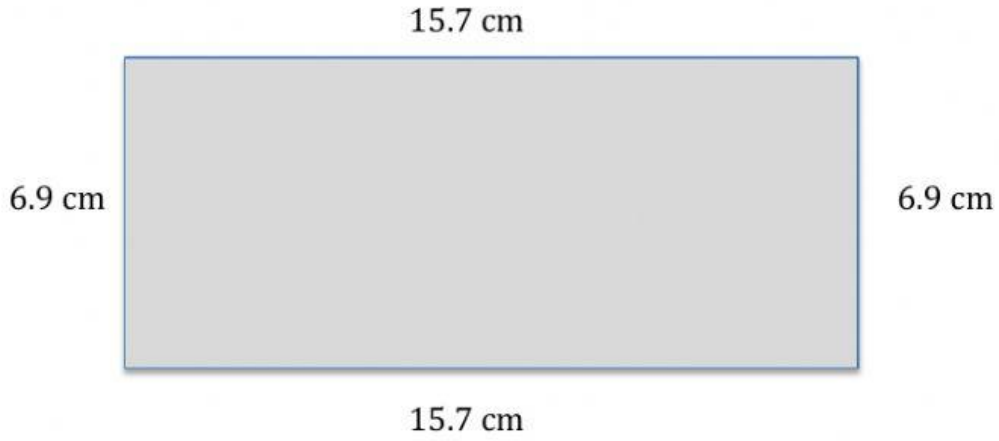
c) Convert 272 miles to km *(1.6 km = 1 mile)*

$$\frac{1.6\ km}{km} = \frac{1\ mile}{mile}$$

After solving this on paper, I have determined that 272 miles is equal to:

_____ km
(input 1 decimal place)

2) A rectangle is shown below. Recall that you can find the **perimeter** of the rectangle by adding all the sides together.



a) What is the perimeter in cm? (Round to 1 decimal place)

Final perimeter = _____ cm

b) What is the perimeter in inches, if 2.54cm = 1 inch? (Round to 1 decimal place).

Final perimeter = _____ in